



# KS-2601



## Managed 24-Port Modular Fast Ethernet Switch with 2 Gigabit Slots

### Product Highlights :

- Modular design
- 3 FE 8-port module slots
- 2 GbE 1-port module slots
- Port mode, rate control
- Port mirroring
- Port trunking
- Port/802.1p based QoS
- Port/802.1Q/GVRP VLAN
- STP support
- IGMP snooping function
- Port Security
- 802.1x function
- RMON support
- Configuration backup and download
- Firmware upgradable
- Console/SNMP/web/telnet/trap management

### Key Features :

- Fully modular design with 3 8-port Fast Ethernet module slots and 2 Gigabit slots
- Optional modules - 8-port 10/100TX, 8-port 100FX, 1-port Gigabit copper, 1-port Gigabit fiber modules
- Provides wire speed store-and-forward switching
- SNMP, telnet, Web, console management support
- Supports IEEE 802.3x flow control for full-duplex operation
- Supports Back-pressure flow control for half-duplex operation
- Provides port ingress and egress rate control function
- Provides packet storm control function
- Provides port-based, 802.1Q tag-based VLAN function with GVRP support
- Provides port-based, 802.1p-based QoS function
- Supports IEEE 802.1x Port-based authentication
- Supports IGMP snooping
- Supports Spanning Tree Protocol
- Provides static MAC address security function per port basis
- Provides port trunking function
- Provides port mirroring function
- Supports configuration file backup and download
- Supports RMON agent

### Specifications :

|                   |  |                                       |
|-------------------|--|---------------------------------------|
| Standards         | IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3z 1000Base-T<br>IEEE 802.3ab, IEEE 802.1x, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p  |                                       |
| Number of Ports   | 3 x 8-port Fast Ethernet module slots<br>Optional modules : 8-port 10/100Base-TX, 8-port 100Base-FX<br>2 x Gigabit Ethernet slots<br>Optional module : 10/100/1000Base-T, 1000Base-SX/LX |                                       |
| Network Cables    | 10Base-T :   | Cat. 3, 4, 5 UTP or higher up to 100m |
|                   | 100Base-TX :   | Cat. 5 UTP or higher up to 100m       |
|                   | 1000Base-T :   | Cat. 5, 5e UTP or higher up to 100m   |
|                   | 1000Base-SX/LX :   | Multimode or single mode fiber cables |
| MAC Address       | 8K entries   |                                       |
| Flow Control      | IEEE 802.3x pause frame based for full-duplex<br>Backpressure for half-duplex mode   |                                       |
| Forwarding speed  | Max. 148,810 pps on 100Mbps ports<br>Max. 1,488,100 pps on Gigabit ports   |                                       |
| Trunking Function | Port-based trunking<br>2 Fast Ethernet groups and 1 Gigabit group max.   |                                       |
| QoS Function      | 4-level priority<br>Priority classifications - Port-based, 802.1p-based  |                                       |
| VLAN Function     | Port-based VLAN, IEEE 802.1Q Tag-based VLAN<br>GVRP support, 4094 VLAN support, 256 VLAN groups max.   |                                       |



|                     |  |
|---------------------|--|
| Port Rate Control   | Ingress rate, Egress rate, Broadcast storm rate, Flooding storm rate                           |
| Static MAC Security | Static MAC address filter-in, filter-out per port basis  |
| Port Access Control | IEEE 802.1x authentication   |
| Spanning Tree       | IEEE 802.1D compliant  |
| IP Multicast        | IGMP Snooping support  |
| Port Mirroring      | Mode options - Ingress/Egress traffic, SA/DA MAC traffic                                       |
| RMON Support        | RFC1757 group 1,2,3,9  |
| Management          | Out-of-band console<br>In-band SNMP and Trap, Web, Telnet CLI interfaces                       |
| LEDs                | Unit - power status<br>Per port - link/activity status, full-duplex/collision status           |
| Dimension           | 440 x 254 x 44 mm (19" rack mountable)   |
| Power               | 100 - 240VAC, 50-60Hz  |
| Approval            | FCC Part 15 Class A, CE / CISPR Class A  |
| Environment         | Operating Temperature : 0°C ~ 50°C<br>Relative Humidity : 10% ~ 90% non-condensing Environment |

### Optional Module Ordering Information :

| Model Name       | Description   |
|------------------|---|
| KS-2601          | 24-Port Main Unit w/o any slide-in modules                              |
| KS-2601-8T       | 8-Port 100Base-TX slide-in module                                       |
| KS-2601-8MC      | 8-Port 100Base-FX SC slide-in module (Multimode)                        |
| KS-2601-8MT      | 8-Port 100Base-FX ST slide-in module (Multimode)                        |
| KS-2601-8JM      | 8-Port 100Base-FX MT-RJ slide-in module (Multimode)                     |
| KS-2601-8SL2     | 8-Port 100Base-FX SC slide-in module (SMF 20km)                         |
| KS-2601-8W3520-A | 8-Port 100Base-FX Bi-Di SC slide-in module (Tx 1310 Rx 1550nm SMF 20km) |
| KS-2601-8W5320-A | 8-Port 100Base-FX Bi-Di SC slide-in module (Tx 1550 Rx 1310nm SMF 20km) |
| KS-2601-1SX      | 1-Port 1000Base-SX slide-in module (Multimode)                          |
| KS-2601-1LX      | 1-Port 1000Base-LX slide-in module (Single Mode)                        |
| KS-2601-1GT      | 1-Port 1000Base-T slide-in module (Copper)                              |



FCC Part 15, Class A  
CISPR 22 Class A

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